

Council on Postsecondary Education  
September 12, 2013

**New Academic Programs**  
**Northern Kentucky University and University of Louisville**

**ACTION:** The staff recommends that the Council approve the Bachelor of Science in Data Science, the Bachelor of Arts in Special Education at Northern Kentucky University, and the Bachelor of Arts/Bachelor of Science in Public Health at the University of Louisville.

KRS 164.020 (15) empowers the Council on Postsecondary Education to define and approve the offering of all postsecondary education technical, associate, baccalaureate, graduate, and professional degree, certificate, or diploma programs in the public postsecondary education institutions. Council staff has reviewed and recommends for approval the Bachelor of Science in Data Science, the Bachelor of Arts in Special Education at Northern Kentucky University, and the Bachelor of Arts/Bachelor of Science in Public Health at the University of Louisville.

**Northern Kentucky University**

**B.S. in Data Science (CIP Code: 11.0199)**

The goal of the B.S. in Data Science is to produce graduates who are highly effective data analysts and communicators, with up-to-date skills in contemporary computing, modeling, visualization, and business analytics. These graduates can pursue graduate degrees or seek employment as data scientists and systems engineers in private industry and government. Building on a core of computer science, information systems, statistics, and mathematics, the curriculum will focus on foundations of data science, statistical modeling, data mining, business analytics, and scientific visualization. A capstone experience, in which students will obtain, condition, explore, model, and interpret a big data set, is central to the degree.

**B.A. in Special Education (CIP Code: 13.1001)**

The Special Education major prepares candidates for Kentucky Learning Behavior Disorders (KLB)--Mild to Moderate Disabilities certification in grades P-12. Teachers certified in LBD serve students with specific learning disabilities, mild intellectual disabilities, emotional/behavioral disabilities, and physical disabilities. The program aligns with the Council for Exceptional Children Knowledge and Skill Base for All Entry-Level Special Education Teachers of Students with Exceptionalities in Individualized General Curriculums and the Kentucky Teacher Standards. The special education major requires candidates to obtain an additional teaching certification in the area of general education. Candidates may choose

to become certified in elementary education, middle grades education, or secondary education along with certification in special education for mild to moderate disabilities.

### **University of Louisville**

#### **B.A./B.S. in Public Health (CIP Code: 51.2201)**

The emphasis of training for the B.S. is public health practice, and the emphasis for the B.A. is liberal studies in public health. In addition, both degrees prepare students for further professional or graduate education in public health, medicine, dentistry, nursing, urban planning, and other disciplines. The programs will address the need for additional trained public health professionals as identified by the Kentucky Institute of Public Health Practice Enhancement. In Kentucky, more than half of the public health workforce lacks formal education/training in the essential services of the core functions of public health.